

Listing of the Claims:

Claims 1 - 20 (Canceled).

Claim 21 (Previously Presented): An interactive display system comprising: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, in which system:

the computing means is arranged to supply image information to the device onto which an image is projected from the projector;

the plurality of remote signaling devices are operable to transmit signals to a receiver portion of the device onto which an image is projected from the projector only in response to a request signal from the device onto which an image is projected from the projector;

the device onto which an image is projected from the projector includes position indication means for determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

the pointing device is operable to:

take precedence over the remote signaling devices; and

selectively enable each remote signaling device, and

the device onto which an image is projected from the projector is a communication hub of the system, arranged to:

request information from each remote signaling device in turn, by polling;

receive control signals from the pointing device and the plurality of remote signaling devices; and

transmit the control signals from the pointing device and the plurality of

remote signaling devices to the computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 22 (Currently Amended): An interactive display system as claimed in claim 21, in which the single link is a wireless connection such as infra-red means [[of]] or radio means.

Claim 23 (Currently Amended): An interactive display system as claimed in claim [[22]] 21, which is operable to calibrate the location of an image displayed on the device onto which an image is projected relative to the surface of the device onto which an image is projected.

Claim 24 (Previously Presented): An interactive display system as claimed in claim 21, in which the pointing device is operable to induce image control signals in the position indication means, which image control signals are operable to control the computing means and thus image information is displayed on the device onto which an image is projected.

Claim 25 (Previously Presented): An interactive display system as claimed in claim 21, in which the device onto which an image is projected includes an output portion arranged to transmit signals from both the receiver portion and the position indication means to the

computing means.

Claim 26 (Currently Amended): An interactive display system as claimed in claim 21, wherein ~~the communication hub of the system includes~~ one or more of the plurality of remote signaling control device(s) ~~that~~ devices is/are operable to control the computing means in substantially the same manner as a key board and mouse combination.

Claim 27 (Previously Presented): A method of operating an interactive display system including: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, the method comprising the steps of:

projecting an image of a computer display of a computer onto the device onto which an image is projected from the projector,

adapting the plurality of remote signaling devices to transmit signals to a receiver portion of the device onto which an image is projected from the projector only in response to a request signal from the device onto which an image is projected from the projector;

determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

arranging for the pointing device to:

take precedence over the remote signaling devices, and

selectively enable each remote signaling device, and

wherein the device onto which an image is projected from the projector is adapted

to be a communications hub of the display system, the method further comprising the steps, at the communications hub, of:

requesting information from each remote signaling device in turn, by polling;

receiving control signals from the pointing device and the plurality of remote signaling devices; and

transmitting the control signals from the pointing device and the plurality of remote signaling devices to the computing means, on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 28 (Previously Presented): A method as claimed in claim 27, wherein signals from the plurality of remote signaling devices or each remote signaling device do not contain position related data.

Claim 29 (Currently Amended): A method as claimed in either claim [[28]] 27, in which the signals from the plurality of remote signaling devices or each remote signaling device are transmitted in response to information displayed on the display device.

Claim 30 (Previously Presented): An interactive display device onto which an image is projected from a projector, forming a communication hub of an interactive display system, comprising:

a receiver portion for receiving signals from a pointing device and a plurality of remote signaling devices, the plurality of remote signaling devices being operable to transmit only in response to a request signal from the display device; and

position indication means for determining the position of the pointing device relative to a surface of the display device,

the interactive display device onto which an image is projected from a projector being arranged:

for the signals from the pointing device to take precedence over signals from the remote signaling devices;

for the pointing device to selectively enable each remote signaling device; and

to request information from each remote signaling device in turn, by polling;

to transmit the received signals to a computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices and being suitable for displaying an image from a computing means received by said interactive display device onto which an image is projected from a projector.

Claim 31 (Currently Amended): A remote signaling device for use with the interactive display system according to claim 24 30.

Claim 32 (Currently Amended): An interactive display system according to claim 24 30 in which the system further comprises an image projector arranged to project image information onto the device onto which an image is projected.

Claim 33 (Currently Amended): An interactive display system according to claim 24 30 wherein the display system is a device onto which an image is projected.

Claim 34 (Currently Amended): An interactive display system comprising: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, in which system:

the computing means is arranged to supply image information to the device onto which an image is projected from the projector;

the plurality of remote signaling devices are operable to transmit signals to a receiver portion of the device onto which an image is projected from the projector only in response to a request signal from the device onto which an image is projected from the projector;

the device onto which an image is projected from the projector includes position indication means for determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector; and
the pointing device is operable to :

take precedence over the remote signaling devices; and

selectively enable each remote signaling device, and

the device onto which an image is projected from the projector is a

communication hub of the system, arranged to:

receive control signals from the pointing device and the plurality of remote signaling devices; and

transmit the control signals from the pointing device and the plurality of remote signaling devices to the computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 35 (Currently Amended): A method of operating an interactive display system including: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, the method comprising the steps of:

projecting an image of a computer display of a computer onto the device onto which an image is projected from the projector,

adapting the plurality of remote signaling devices to transmit signals to a receiver portion of the device onto which an image is projected from the projector only in response to a request signal from the device onto which an image is projected from the projector;

determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector; and
arranging for the pointing device to:

take precedence over the remote signaling devices, and

selectively enable each remote signaling device, and

wherein the device onto which an image is projected from the projector is adapted to be a communications hub of the display system, the method further comprising the steps, at the communications hub, of:

receiving control signals from the pointing device and the remote control devices; and

transmitting the control signals from the pointing device and the remote control devices to the computing means, on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 36 (Currently Amended): An interactive display device onto which an image is projected from a projector, forming a communication hub of an interactive display system, comprising:

a receiver portion for receiving signals from a pointing device and a plurality of remote signaling devices, the plurality of remote signaling devices being operable to transmit only in response to a request signal from the display device; and
position indication means for determining the position of the pointing device relative to a surface of the display device,

the interactive display device onto which an image is projected from a projector being arranged:

for the signals from the pointing device to take precedence over signals

from the remote signaling devices;

for the pointing device to selectively enable each remote signaling device;

and

to transmit the received signals to a computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices and being suitable for displaying an image from a computing means received by said interactive display device onto which an image is projected from a projector.

Claim 37 (Previously Presented): An interactive display system comprising: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, in which system:

the computing means is arranged to supply image information to the device onto which an image is projected from the projector;

the plurality of remote signaling devices are operable to transmit signals to a receiver portion of the device onto which an image is projected from the projector;

the device onto which an image is projected from the projector includes position indication means for determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

the pointing device is operable to:

take precedence over the remote signaling devices; and

selectively enable each remote signaling device, and

the device onto which an image is projected from the projector is a communication hub of the system, arranged to:

receive control signals from the pointing device and the plurality of remote signaling devices; and

transmit the control signals from the pointing device and the plurality of remote signaling devices to the computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 38 (Previously Presented): A method of operating an interactive display system including: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, the method comprising the steps of:

projecting an image of a computer display of a computer onto the device onto which an image is projected from the projector,

adapting the plurality of remote signaling devices to transmit signals to a receiver portion of the device onto which an image is projected from the projector;

determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

arranging for the pointing device to:

take precedence over the remote signaling devices, and

selectively enable each remote signaling device, and

wherein the device onto which an image is projected from the projector is adapted to be a communications hub of the display system, the method further comprising the steps, at the communications hub, of:

receiving control signals from the pointing device and the remote control devices; and

transmitting the control signals from the pointing device and the remote control devices to the computing means, on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 39 (Currently Amended): An interactive display device onto which an image is projected from a projector, forming a communication hub of an interactive display system, comprising:

a receiver portion for receiving signals from a pointing device and a plurality of remote signaling devices, the plurality of remote signaling devices being operable to transmit; and

position indication means for determining the position of the pointing device relative to a surface of the display device,

the interactive display device onto which an image is projected from a projector being arranged:

for the signals from the pointing device to take precedence over signals from the remote signaling devices;

for the pointing device to selectively enable each remote signaling device;

and

to request information from each remote signaling device in turn, by
polling; and

to transmit the received signals to a computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices and being suitable for displaying an image from a computing means received by said interactive display device onto which an image is projected from a projector.

Claim 40 (Currently Amended): An interactive display system comprising: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, in which system:

the computing means is arranged to supply image information to the device onto which an image is projected from the projector;

the plurality of remote signaling devices are operable to transmit signals to a receiver portion of the device onto which an image is projected from the projector;

the device onto which an image is projected from the projector includes position indication means for determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector; and

the pointing device is operable to :

take precedence over the remote signaling devices; and

selectively enable each remote signaling device, and

the device onto which an image is projected from the projector is a communication hub of the system, arranged to:

request information from each remote signaling device in turn, by polling; receive control signals from the pointing device and the plurality of remote signaling devices; and

transmit the control signals from the pointing device and the plurality of remote signaling devices to the computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 41 (Currently Amended): A method of operating an interactive display system including: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, the method comprising the steps of:

projecting an image of a computer display of a computer onto the device onto which an image is projected from the projector,

adapting the plurality of remote signaling devices to transmit signals to a receiver portion of the device onto which an image is projected from the projector;

determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector; and

arranging for the pointing device to:

take precedence over the remote signaling devices, and
selectively enable each remote signaling device, and
wherein the device onto which an image is projected from the projector is adapted to be a communications hub of the display system, the method further comprising the steps, at the communications hub, of:
requesting information from each remote signaling device in turn, by polling;
receiving control signals from the pointing device and the remote control devices; and
transmitting the control signals from the pointing device and the remote control devices to the computing means, on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices, in order to control an image on the device onto which an image is projected from the projector.

Claim 42 (Currently Amended): An interactive display device onto which an image is projected from a projector, forming a communication hub of an interactive display system, comprising:

a receiver portion for receiving signals from a pointing device and a plurality of remote signaling devices, the plurality of remote signaling devices being operable to transmit; and

position indication means for determining the position of the pointing device relative to a surface of the display device,

the interactive display device onto which an image is projected from a projector being arranged:

for the signals from the pointing device to take precedence over signals from the remote signaling devices;

for the pointing device to selectively enable each remote signaling device;
and

to request information from each remote signaling device in turn, by polling; and

to transmit the received signals to a computing means on a single communications link, which link is capable of conveying signals both from the pointing device and the remote signaling devices and being suitable for displaying an image from a computing means received by said interactive display device onto which an image is projected from a projector.

Claim 43 (New): An interactive display system comprising: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, in which system:

the computing means is arranged to supply image information to the device onto which an image is projected from the projector;

the plurality of remote signaling devices are operable to transmit signals;

the device onto which an image is projected from the projector includes position indication means for determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

the pointing device is operable to:

- take precedence over the remote signaling devices; and
- selectively enable each remote signaling device.

Claim 44 (New): A method of operating an interactive display system including: a projector; a device onto which an image is projected from the projector; a computing means; a pointing device; and a plurality of remote signaling devices, the method comprising the steps of:

projecting an image of a computer display of a computer onto the device onto which an image is projected from the projector,

adapting the plurality of remote signaling devices to transmit signals;

determining the position of the pointing device relative to a surface of the device onto which an image is projected from the projector;

arranging for the pointing device to:

- take precedence over the remote signaling devices, and
- selectively enable each remote signaling device.